

03/06/02
J1000 U.S. PTO

BOX PATENT APPLICATION
Attorney Docket No.: 24876-A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

J1000 U.S. PTO
10/087242
03/06/02

In re Application of:

Benjamin GEBHART

Serial No. Not yet assigned

Filed: March _____, 2002

Title: **NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION**

(Divisional of U.S. Patent Application No. 08/485,161, filed June 7, 1995, which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application of 07/159,713, filed on February 24, 1988, and now abandoned.)

TRANSMITTAL LETTER

The Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Filing Form For Divisional U.S. Patent Application;
- (3) Divisional application including:
 - 55 Pages Application Consisting of:
 - 26 Pages of Textual Specification
 - 5 Pages of 33 Claims
 - 1 page containing the Abstract of the Disclosure
 - 1 page containing the List of Reference Numerals
 - 22 sheets of drawings
- (4) Preliminary Amendment
- (5) Executed Declaration
- (6) Revocation and Power of Attorney
- (7) Copy of Assignment with Notice of Recordation of Assignment;
- (8) Check No. 16338 \$610.00 for filing fee
- (9) Postcard for early notification of serial number.

Respectfully submitted,
NATH & ASSOCIATES PLLC

By: _____

Gary M. Nath
Registration No. 26,965
Lee C. Heiman
Registration No. 41,827
Customer No. 20529

Date: March 6, 2002

NATH & ASSOCIATES PLLC

1030 15th Street, NW - 6th Floor

Washington, D.C. 20005

GMN/LCH/lis:DIVappl.trans

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Benjamin GEBHART
Serial No.: Not yet assigned
Filing Date: March 6, 2002
Title: **NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION**

FILING FORM

FOR DIVISIONAL U.S. PATENT APPLICATION

Commissioner of Patents
Washington, D.C. 20231

Sir:

1. This is a Request for filing a
- ☐ Continuation Application under:
 - ☐ 37 CFR § 1.53(b)(1)
 - ☒ Divisional Application under:
 - ☒ 37 CFR § 1.53(b)(1)
 - ☐ Continuation-In-Part (CIP) application
 - ☐ 37 CFR § 1.53(b)(2)

of **prior** ("parent") application:

Serial No. 08/485,161
Filed: June 7, 1995

Entitled: **NUCLEATE BOILING SURFACES FOR COOLING
AND GAS GENERATION**

(Which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application of 07/159,713, filed on February 24, 1988, and now abandoned.)

2. ☒ Enclosed for application under 37 CFR §§ 1.53(b) are:
- 33 pages of text (specification, claims, abstract)
 - 33 claims
 - 22 sheets of drawings



20080602 1000 U.S. PTO

H. Kwon
#3/Pu
Amult B
6/18/2002

3. The **present** application names the following inventor(s):

Benjamin GEBHART

___ (37 CFR § 1.53--"CIP") The above-identified application (in which no payment of the Issue Fee, abandonment of or termination of proceedings has occurred) is hereby expressly abandoned as of the filing date of this new application.

The **Total Filing Fee** is calculated as follows:

___ Enter the Amendment filed in the prior patent application on _____ prior to calculating the filing fee.

XX Enter the enclosed Preliminary Amendment prior to calculating the filing fee.

(Col 1)			(Col 2)	SMALL ENTITY		OR	NON-SMALL ENTITY	
	NUMBER OF CLAIMS FILED		NUMBER OF EXTRA CLAIMS	RATE	FEE		RATE	FEE
TOTAL	28	minus 20	8	x9=	72		x18=	0
INDEP	7	minus 3	4	x42=	168		x84=	0
BASE FILING FEE:				+370=	370		+740=	0
<u>xx</u> Multiple Dependent Claims				+130=	0		+270=	0
				TOTAL	610	OR	TOTAL	0

X Applicant(s) is/are a "small entity". A Verified Statement Claiming Small Entity Status:

X was filed in the parent application, and small entity status is still proper and desired (Rules 60, 62 only);
 ___ is filed herewith;
 ___ will be filed at a later date.

X A check including the above-indicated filing fee is enclosed.

___ A Petition for Extension of Time (to keep the parent case pending) is enclosed, with a check including the \$___ extension fee.

___ Assignment document(s) is/are submitted herewith, with a check including the recordation fee of \$40.00 per Assignment.

___ No check is enclosed. A Declaration and Power of Attorney will be submitted at a later date pursuant to 37 CFR §§ 1.41, 1.53, together with a check for the "Total Filing Fee" calculated above and a surcharge under 37 CFR § 1.16(e).

X The prior application is assigned of record to The Trustees of the University of Pennsylvania; Philadelphia, Pennsylvania, the Assignment being recorded on September 27, 1991, on Reel 5859, Frame(s) 0922.

X A copy of the original executed Declaration is enclosed.

X Amend the specification by inserting before the first line the sentence:

--This application is a Divisional Application of U.S. Patent Application No. 08/485,161, filed June 7, 1995, which in turn is a continuation application of U.S. Patent Application No. 07/767,227, filed on September 27, 1991, and now abandoned, which in turn is a continuation-in-part application of U.S. Patent Application 07/529,787, filed on May 25, 1990, and now abandoned, which in turn is a continuation application of U.S. Patent Application 07/409,980, filed on September 18, 1989, and now abandoned, which in turn is a continuation application of 07/159,713, filed on February 24, 1988, and now abandoned., the entire contents of which are hereby incorporated by reference in its entirety.--

___ Foreign priority under 35 U.S.C. § 119 of _____ application(s) _____, filed _____, is hereby claimed. The certified priority paper(s):
___ was/were filed in the parent case;
___ is/are enclosed herewith;
___ will be submitted at a later date.

___ The power of attorney in the prior application is to ____.

___ The power appears in the original papers in the prior application.

X A copy of the new Revocation of Prior Power of Attorney and Power of Attorney filed in the prior application on February 1, 2002 is enclosed.

X Address all future communications to:

Gary M. Nath
NATH & ASSOCIATES PLLC
1030 15th Street, N.W.- 6th Floor
Washington, D.C. 20005

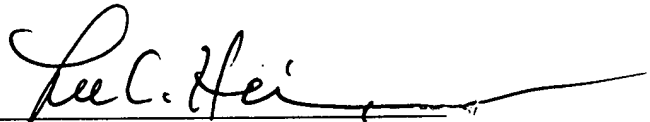
— If extensions of time under 37 CFR § 1.136 other than those provided herewith are required to prevent abandonment of the parent application, then such extensions of time are hereby petitioned to allow copendency of the parent and the present continuing application. The Commissioner is hereby authorized to charge fee deficiency under 37 CFR § 1.17, or credit any overpayment, to Deposit Account No. 14-0112. A duplicate copy of this Form is enclosed.

X The Commissioner is hereby authorized to charge any fee deficiency under 37 CFR §§ 1.16 and 1.17 which may be required, or credit any overpayment, to Deposit Account No. 14-0112. A duplicate copy of this Form is enclosed.

Respectfully submitted,

NATH & ASSOCIATES PLLC

Date: March 6, 2002


Gary M. Nath
Registration No. 26,965
Lee C. Heiman
Registration No. 41,827
Customer No. 20529

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Fax: (202) 775-8396
GMN/LCH/lis:Cont.App

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Benjamin Gebhart

Filed: June 7, 1995

Examiner: John K. Ford

Serial No.: 08/485,161

Group Art Unit: 3743

For: NUCLEATE BOILING SURFACES FOR COOLING AND GAS GENERATION

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office are the following documents:

- (1) Transmittal Letter; and
- (2) Revocation of Prior Power of Attorney and Power of Attorney.

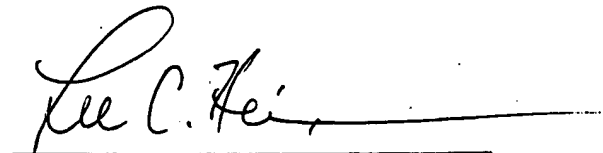
The Commissioner is hereby specifically authorized to charge any required fee, or credit any overpayment, in connection with this matter to deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC

Date: February 1, 2002

By:



Gary M. Nath
Reg. No. 26,965
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Reg. No. 41,827
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8-18 A/D 767227



16,910-C USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Benjamin Gebhart

Serial No.: N/A

Examiner: N/A

Filed: Herewith

Group Art Unit: N/A

RECEIVED
21 OCT -9 AM 10:02
ASSIGNMENT BRANCH

For: NUCLEATE BOILING
SURFACES FOR
COOLING AND GAS
GENERATION

"EXPRESS MAIL" MAILING LABEL NO. B24777604W
DATE OF DEPOSIT: September 27, 1991
I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE
UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE
UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE
COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231
Kimberly A. St. Clair
(SIGNATURE) Kimberly A. St. Clair

Box Patent Application
The Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

NEW PATENT APPLICATION TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith for filing is a new patent application, together with the following papers and documents:

- [XX] A Certificate of Express Mail (No. B24777604W)
- [XX] 33 pages of the above-identified patent application, including the claims
- [XX] 22 sheets of informal drawings
- [XX] An executed Combined Declaration or Oath and Power of Attorney
- [XX] An Associate Power of Attorney 93226547
- [XX] An Assignment of the invention to The Trustees of
the University of Pennsylvania

REF 5859 FRANK 922

- [XX] A check in the amount of \$8.00 to cover recordation of the Assignment
- [XX] Information Disclosure Statement
- [XX] Form PTO-1449 (Modified), submitted in duplicate
- [XX] References
- [] Preliminary Amendment
- [XX] Verified Statement establishing Small Entity status pursuant to 37 C.F.R. §1.9 and 37 C.F.R. §1.27

The filing fee has been calculated as shown below:

FOR:	NO. FILED	NO. EXTRA	SMALL ENTITY			OTHER THAN SMALL ENTITY	
			RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 315	OR		\$ 630
TOTAL CLAIMS	33 - 20 =	13	x 10=	\$ 130	OR	x 20=	\$
INDEP. CLAIMS	5 - 3 =	2	x 30=	\$ 60	OR	x 60=	\$
FIRST PRESENTATION MULTIPLE DEPENDENT CLAIM			+100=	\$	OR	+200=	\$
			TOTAL	\$ 505	OR		\$

- [] Please charge my Deposit Account No. 19-5425 in the amount of \$_____. A triplicate copy of this transmittal is attached.
- [XX] A check in the amount of \$505.00 is enclosed. Please charge any deficiency or credit any overpayment to Deposit Account No. 19-5425.
- [XX] The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 19-5425. A triplicate copy of this transmittal is attached.

REF 5859 FRAME 923

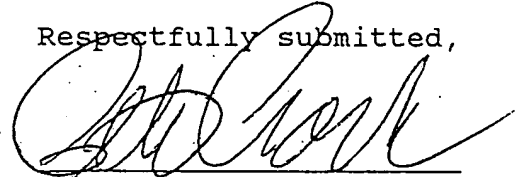
PATENT

16,910-C USA

[XX] Any additional filing fees required pursuant to 37 C.F.R. §1.16 including fees for presentation of extra claims.

[XX] Any patent application processing fees pursuant to 37 C.F.R. §1.17 and under 37 C.F.R. §120(d).

Respectfully submitted,



Peter J. Cronk
Registration No. 32,021

Dated:

9.27.91

SYNNESTVEDT & LECHNER
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1101 Market Street
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REF 5859 FRAME 924